

Maryland Historical Trust

Maryland Inventory of Historic Properties number: BA-2850

Name: DOGWOOD RD, OVER DOGWOOD RUN

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended <u>X</u>	Eligibility Not Recommended _____
Criteria: <u> </u> A <u> </u> B <u>X</u> C <u> </u> D Considerations: <u> </u> A <u> </u> B <u> </u> C <u> </u> D <u> </u> E <u> </u> F <u> </u> G <u> </u> None	
Comments: _____	
Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

MARYLAND INVENTORY OF HISTORIC BRIDGES
HISTORIC BRIDGE INVENTORY
MARYLAND STATE HIGHWAY ADMINISTRATION/
MARYLAND HISTORICAL TRUST

MHT No. BA-2850

SHA Bridge No. B0072 Bridge name Dogwood Road over Dogwood Run (Dogwood Road Bridge)

LOCATION:

Street/Road name and number Dogwood Road

City/town Hollofield Vicinity X

County Baltimore

This bridge projects over: Road ☐ Railway ☐ Water ☒ Land ☐

Ownership: State ☐ County ☒ Municipal ☐ Other ☐

HISTORIC STATUS:

Is bridge located within a designated historic district? Yes ☐ No ☒

National Register-listed district ☐ National Register-determined-eligible district ☐

Locally-designated district ☐ Other ☐

Name of district

BRIDGE TYPE:

Timber Bridge ☐:

Beam Bridge ☐ Truss -Covered ☐ Trestle ☐ Timber-And-Concrete ☐

Stone Arch Bridge ☐

Metal Truss Bridge ☐

Movable Bridge ☐:

Swing ☐ Bascule Single Leaf ☐ Bascule Multiple Leaf ☐
Vertical Lift ☐ Retractable ☐ Pontoon ☐

Metal Girder ☐:

Rolled Girder ☐ Rolled Girder Concrete Encased ☐
Plate Girder ☐ Plate Girder Concrete Encased ☐

Metal Suspension ☐

Metal Arch ☐

Metal Cantilever ☐

Concrete ☒:

Concrete Arch ☒ Concrete Slab ☐ Concrete Beam ☐ Rigid Frame ☐

Other ☐ Type Name _____

DESCRIPTION:**Describe Setting**

Bridge B0072 carries Dogwood Road over Dogwood Run in Baltimore County. Dogwood Road runs north and south over the eastern flowing Dogwood Run. The area immediately adjacent to the bridge has limited residential development. The bridge is located just outside of Patapsco Valley State Park. On the either side of the bridge are late-nineteenth and early-twentieth century houses.

Describe Superstructure and Substructure:

Bridge B0072 is a single span, closed spandrel, concrete rib arch bridge. The total length of the bridge is 78 feet with the clear span measuring 74 feet. The spandrel walls are approximately 6 feet tall and 35 feet wide. The bridge has a rise of approximately 7 feet 4 inches from springline to crown. There is a clear roadway width of 20 feet, with the overall width measuring 22 feet 7 inches. The arch barrel has moderate cracking with visible efflorescence. There are small areas of scale and reinforcement bar exposure at the joint of the parapet and spandrel wall. The spandrel walls have large areas of cracking and patched areas from previous repairs. In addition, the walls have areas of efflorescence. According to a 1995 inspection report, the bridge is in poor condition with a sufficiency rating of 39.4.

Bridge B0072 retains its original parapets. There are 3 sections running the length of the bridge, including the wingwalls. The first section includes the endblock over the wingwall and measures 3 feet 8 inches high by 4 feet 11 inches wide at the base. The endblock includes an incised panel that is 11 inches high and 7 feet 4 inches long. The rest of the first section is a closed paneled parapet with 3 incised panels. Each panel measures approximately 5 feet long and 1 foot high. This pattern is repeated in the additional 2 sections with a symmetrical endblock. The bridge has large spalls with rusted reinforcement bar exposed. The entire section on both sides of the bridge has heavy scaling with medium spalls at the curb lines. In addition, there are fine vertical cracks throughout the bridge's parapets.

Discuss major Alterations:

No major alterations have occurred to this structure.

HISTORY:

WHEN was bridge built (actual date or date range) 1929

This date is: Actual ☒ Estimated ☐

Source of date: Plaque ☒ Design plans ☐ County bridge files/inspection form ☒

Other (specify) _____

WHY was bridge built? To replace an existing structure.

WHO was the designer? T.A. Ward

WHO was the builder? Baltimore County Highways Department

WHY was bridge altered? N/A

Was bridge built as part of organized bridge-building campaign?

Yes, this bridge was built as part of Baltimore County road extensions.

SURVEYOR/HISTORIAN ANALYSIS:

This bridge may have National Register significance for its association with:

A - Events ☒ B- Person ☐

C- Engineering/architectural character ☒

This bridge was determined eligible by the Interagency Review Committee in June 1996.

Was bridge constructed in response to significant events in Maryland or local history?

It is unknown why the first bridge at this site was built. However, during the early days of improved road construction in Maryland, a policy of building narrow roads and bridges was adopted so that a complete system of highways might

be completed within a reasonable time limit and with limited funds. As traffic increased, it became necessary to reconstruct existing roads to greater width and strength. In 1918, the State Roads Commission developed the use of a concrete bridge. This bridge was probably built as part of the State Roads Commission's "Lateral and post Roads Loan of 1920." In 1920, the state received an appropriation of \$3,000,000. The money allowed for the construction of rural post roads, lateral roads, and the extension of the State Roads System with the assistance of funds from the US Government and several counties in the state. The state and counties received funding for lateral road improvements.

Between 1920 and 1935, most of the Baltimore County Highways Department work concentrated on the expansion of the feeder roads to the main arteries being built by the State Roads Commission. Unlike other counties in Maryland during this period, Baltimore County maintained its own roads. Like other counties, Baltimore County has a standing contract with consultants to assist in the design and development of bridges. T.A. Ward was the consultant for this project.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth & development of the area?

No, there is no evidence that this bridge had an impact on the growth of the area.

Is the bridge located in an area that may be eligible for historic designation?

Yes, the bridge is located in an area that is may eligible for historic designation as a small historic district. The bridge would be a contributing element to this district.

Is the bridge a significant example of its type?

Yes, this bridge retains integrity of design and materials, and is a significant example of an early-twentieth century concrete arch bridge.

Does bridge retain integrity of important elements described in Context Addendum?

The bridge retains the integrity of a majority of its character defining elements.

Is bridge a significant example of work of manufacturer, designer and/or engineer?

No, this bridge is not a significant example of the work of a manufacturer, designer, or engineer.

Should bridge be given further study before significance analysis is made?

No, this bridge should not be given further study.

BIBLIOGRAPHY:

County inspection/bridge files X

SHA inspection/bridge files X

Other (list):

Johnson, Arthur Newhall

1899 The Present Condition of Maryland Highways. In *Report on the Highways of Maryland*. Maryland Geological Survey, The Johns Hopkins University Press, Baltimore.

P.A.C. Spero & Company and Louis Berger & Associates

1995 Historic Highway Bridges in Maryland: 1631-1960: Historic Context Report. Maryland State Highway Administration, Maryland State Department of Transportation, Baltimore, Maryland.

State Roads Commission

1958 *A History of Road Building in Maryland*. State Roads Commission of Maryland, Baltimore, Maryland.

Tyrrell, H. Grattan

1909 *Concrete Bridges and Culverts for Both Railroads and Highways*. The Myron C. Clark Publishing Company,
Chicago and New York.

SURVEYOR:

Date bridge recorded December 1997

Name of surveyor Wallace, Montgomery & Associates / P.A.C. Spero & Company

Organization/Address P.A.C. Spero & Co., 40 W. Chesapeake Avenue, Baltimore, MD 21204

Phone number (410) 296-1635

FAX number (410) 296-1670

Maryland Historic Highway Bridges

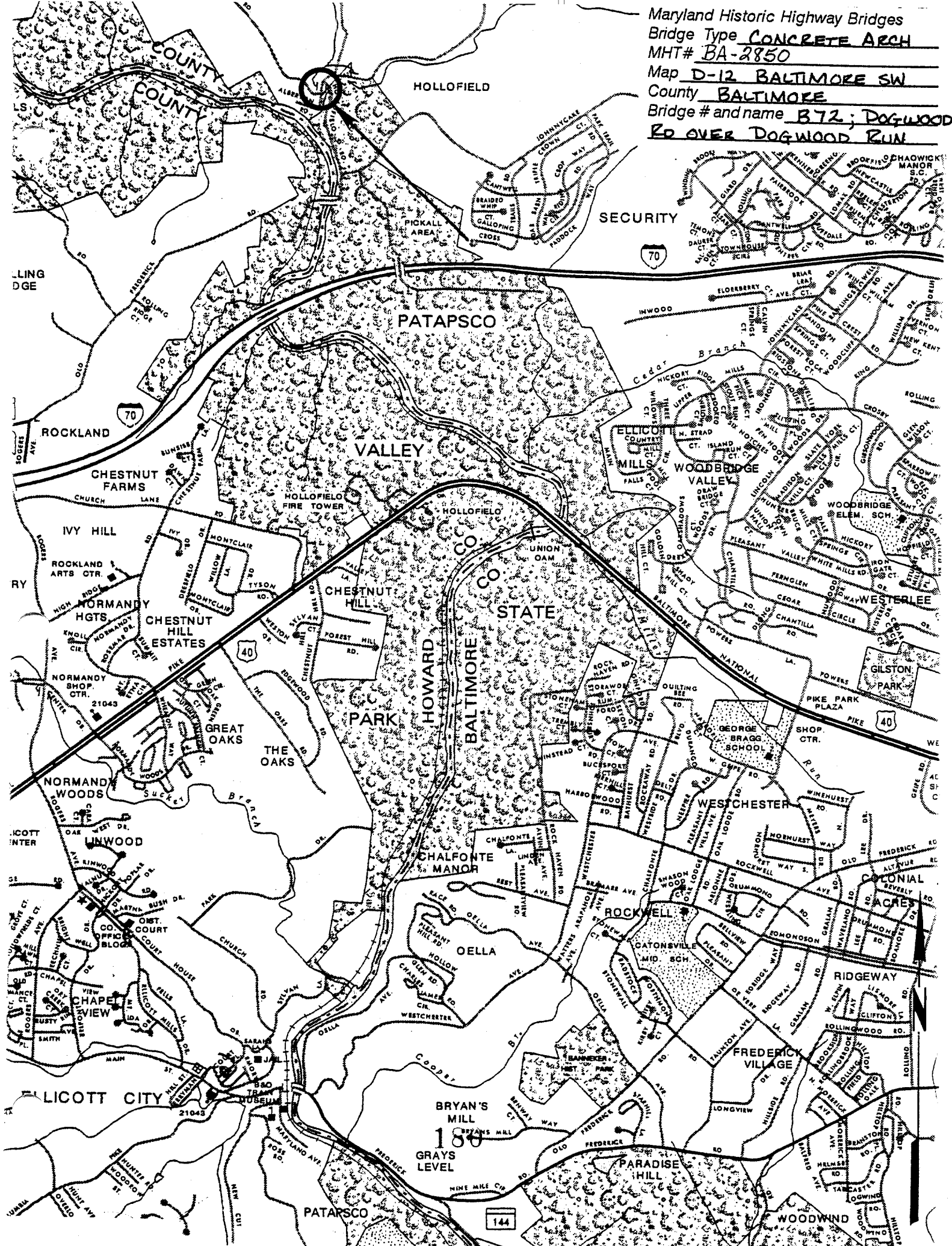
Bridge Type CONCRETE ARCH

MHT# BA-2850

Map D-12 BALTIMORE SW

County BALTIMORE

Bridge # and name B72; DOGWOOD
RD OVER DOGWOOD RUN





Inventory # BA-2850

Name B0072-DOGWOOD RD OVER DOGWOOD RUN

County/State BALTIMORE COUNTY/MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description SOUTH APPROACH LOOKING
NORTH

Number 1 of 31 6



Inventory # BA-2850

Name B0072 - DOGWOOD RD OVER DOGWOOD RUN

County/State BALTIMORE COUNTY / MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description WEST ELEVATION LOOKING
EAST

Number 2 of 37 6



Inventory # BA-2850

Name B0072-DOGWOOD RD OVER DOGWOOD RUN

County/State BALTIMORE COUNTY/MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description EAST ELEVATION LOOKING
SOUTHWEST

Number 3 of 37 6



Inventory # BA-2850

Name BOOTH 2-DOGWOOD RD OVER DOGWOOD RUN

County/State BALTIMORE COUNTY/MD

Name of Photographer DAVE DIENL

Date 1/95

Location of Negative SWA

Description UNDER SIDE OF DECK
LOOKING SOUTH

Number 4 of 5
~~10~~ of ~~31~~

BALTIMORE COUNTY
HIGHWAYS DEPARTMENT
DOCKWOOD ROAD BRIDGE
1923

COUNTY COMMISSIONERS
ROBERT B. CLARKE, PRESIDENT
FRANK B. GIVEN
J. HOWARD MILLING

CAMUEL A. GREEN, ROADS ENGR. T. A. HART, CONTRACTOR

Inventory # BA-2856

Name B0072 - DOGWOOD RD OVER DOGWOOD RUN

County/State BALTIMORE COUNTY / MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description PLAQUE ON WEST PARAPET

Number 5 ~~10~~ of 396



Inventory # BA-2850

Name 30072-DOGWOOD RD OVER DOGWOOD RUN

County/State BALTIMORE COUNTY /MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description NORTH APPROACH LOOKING
SOUTH

Number 6 of 37